P

Purchasing Recei

PO No	PO No Supplier Item No Terms	Line	Rel	Terms	Purchased	Description	For Part Pro	oject E	quipment	Order	Date	Received	Equipment Order Due Received Accounting Container Status Receive Price/Unit Aging Past ID Qtv Date Quantity Job No No No No Date	Container	Status	Receive	Price/Unit	Aging	Past	Total	Supplier
0039984	O039984 MCM001-	2 2	-	2% 10 Net 30	3547K45	Tube ALT. P/N 3547K893	ON CONTRACT			09	60 6/7/2018	84		8076790	Stock	Stock 5/31/2018 \$ 31.52 / ft	\$ 31.52 / ft	0		\$1,512.96	\$1,512.96 McMaster- Carr Supply Co.
							-		Total:	9		48							69	\$1,512.96	

Plex 5/31/2018 11:18 AM dart. Tollis. Andrew



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO039984

Tel (613) 632-5200

Supplier: MCM001-VU

McMaster-Carr Supply Co,

P.O. Box 7690

Chicago, IL 60680-7690 USA

Phone: 330 995 5500 Fax: 330 995 9600 PO No:

PO039984

PO Date: Due Date: 5/24/18 5/29/18

Purchase Order

Revision:

MANY 2 4 2017

Revision Date: Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada

Phone: 613-632-5200

Via:

Ground

Pymt Terms:

2% 10 Net 30

Freight Terms:
Special Comments:

Itame

				Items						
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	MT-BRASS-C360-R1.500	2572T63 6 ft long	Brass C360 Round Bar 1.500"	Firmed	5/29/18	12 ft	12°	/ 12 ft	\$46.55667/ft	\$558.68
2	8547K45	6 ft long	Tube ALT. P/N 8547K893 receive ea	Firmed	5/29/18	60 ft	I Par	60 ft	47/8/05	\$2,055.00
3	88805K74	-	6063 Aluminum 90° Angle, 1/8" Wall Thickness, 1/2" High x 1/2" Wide	Firmed	5/29/18	16 ft	164	16 ft	\$1.36125/ft BT /9/15/	
4	1095K41	10/pk	Zerk	Firmed	5/29/18	10 Ea	0 Ea	10 Ea	\$0.352/Ea	
5	95229A460	100/pk	Washer receive pcs	Firmed	5/29/18	100 pcs	O pcs	100 pcs	\$0.0665/pcs	\$6.65
6	MDELRINB0.750X3.000W	8739K45	M Delrin Bar, White : MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL receive ft	Firmed	5/29/18	4 ft	4W 0 ft	4 ft	\$24.16/ft At 18/05	
7	1897A59		Handle	Firmed	5/29/18	4 Ea	Uy Ea	4 Ea	\$4.56/Ea	
8	90107A029	100/pk	Flat Washer	Firmed	5/29/18	100 Ea	0 Ea	100 Ea	\$0.0825/Ea	
9	90128A265	100/pk	Socket Head Cap Screw	Firmed	5/29/18	100 Ea	0 Ea	100 Ea	\$0.1322/Ea	
10	9559K41	10/pk	O-Ring	Firmed	5/29/18	30 Ea	30×	30 Ea	\$1.268/Ea	
11	97524A032	100/pk	Sealing Blind Rivet receive ea	Firmed	5/29/18	200 Ea	2067 O Ea	200 Ea	\$0.0982/Ea	
12	98002A202	10/pk	Binding Post	Firmed	5/29/18	10 Ea	2 O Ea	10 Ea	\$0.415/Ea	

Plex 5/24/18 2:48 PM dart.lavoie.chanta

1 1				Items						
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
	98380A473	10/pk	Dowel Pin	Firmed	5/29/18	20 Ea	25 g Ea	20 Ea	\$0.837/Ea	\$16.74
14	98381A510	50/pk	Pin	Firmed	5/29/18	50 Ea	50 Ea	50 Ea	\$0.214/Ea	\$10.70
15	99908A102	50/pk	Flande Locknut, Steel	Firmed	5/29/18	50 Ea	0 Ea	50 Ea	\$0.2526/Ea	\$12.63 5/29
16	C10-35	90576A118 50/pk	Cage Bumper Nut	Firmed	5/29/18	50 pcs	50 pcs	50 pcs	\$0.1828/pcs	\$9.14
17	MT-O1-R0.750	8893K19 6 FT long	Tool Steel Round Bar 0.750 dia. receive ft	Firmed	5/29/18	18 ft	18x Oft	18 ft	\$5.98/ft Of 17/05	729
18	RBT18561-31	8485T13	10X Magna-Lite	Firmed	5/29/18	6 Ea	(2) 0 Ea	6 Ea		\$157.74
19	D2484P	91343A100	Lock Nut	Firmed	5/29/18	50 pcs	JOX	50 pcs	\$0.363/pcs	\$18.15
20	12335A13	10 ft long	Edge Grip	Firmed	5/29/18	10 Ea	0 Ea	10 Ea	\$2.43/Ea	\$24.30
21	8695K712		Polyurethane Rod 3/8 Dia., 48" Long, 80A (HARD)	Firmed	5/29/18	4 ft	of	4 ft	\$10.035/A	\$40.14

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 5/24/18 2:48 PM dart.lavoie.chantal



Packing List

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Purchase Order PO039984

Order Placed By Chantal Lavoie

McMaster-Carr Number 4088649-05

Page 1 of 2 05/30/2018

Line	e	Product	Ordered	Shipped
2	8547K893	Tube Made From PTFE, 1" OD x 1/2" ID	60 Feet	48
Shi	ipped separa	ately from our Cleveland warehouse on 05/24		
3	88805K74	Architectural 6063 Aluminum 90 Degree Angle, 1/8" Wall Thickness, 1/2" High x 1/2" Wide, 8 Feet Long	2 Each	2
4	1095K41	Zinc-Plated Steel Grease Fitting, Straight, 1/4"-28 SAE-LT Male, 35/64" Overall Length	1 Pack	1
5	95229A460	Cadmium-Plated Steel MIL. Spec. Washer for 5/16" Screw Size, NAS 1149-F0563P	1 Pack	1
6	8739K45	White Delrin Acetal Resin Oversized Bar, 3/4" Thick, 3" Wide, 4' Length	4 Feet	4
7	1897A59	Oval Grip Pull Handle with Threaded Holes, Aluminum, 4-9/16" Center-to-Center Width	1 4 Each	4
8	90107A029	316 Stainless Steel Washer for 1/4" Screw Size, 0.281" ID, 0.625" OD	1 Pack	1
9	90128A265	Zinc-Plated Alloy Steel Socket Head Screw, M6 x 1 mm Thread, 25 mm Long	1 Pack	1
10	9559K41	Ultra-Chemical-Resistant Rigid PTFE O-Ring, 1/8 Fractional Width, Dash Number 219	3 Packs	3
11	97524A032	Sealing Blind Rivets, Aluminum, Domed Head, with Aluminum Mandrel, 1/8" Diameter, 0.425" Long	2 Packs	2
12	98002A202	Steel Binding Barrels and Screws, 10-24 Thread Size, for 3/8"-1/2" Material Thickness	1 Pack	1
13	98380A473	416 Stainless Steel Dowel Pins, 1/8" Diameter, 3/4" Long	1 Pack	1
14	98381A510	Dowel Pin, Alloy Steel, 3/16" Diameter, 1" Long	1 Pack	1

Packing List

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com

Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Purchase Order PO039984 Page 2 of 2 05/30/2018

Order Placed By Chantal Lavoie

McMaster-Carr Number 4088649-05

ine.	Description	Ordered	Shipped
5 99908A1	92 High-Strength Steel Nylon-Insert Flange Locknut, Class 10, Zinc Yellow-Chromate Plated M8 x 1.25 mm Thread	1 Pack	1
6 90576A1	8 Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc-Plated, M10 x 1.5 mm Thread	1 Pack	1
7 8893K19	Tight-Tolerance Multipurpose O1 Tool Steel Rod, 0.7500" Diameter, 6 Feet Long	3 Each	3
8 8485T13	Incandescent-Illuminated Magnifying Glass, 10x, 1-1/4" Long x 1-3/8" Wide Lens	6 Each	6
9 91343A1 0	0 316 Stainless Steel Serrated Flange Locknut, Super-Corrosion-Resistant, 1/4"-20 Thread Size	5 Packs	5
12335A13	Water- & Weather-Resistant Rubber Push-on Seal with Bulb on Top, Hollow, for 3/64"-1/16" Edge, 10' Long	10 Feet	10
8695K712	Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 3/8" Diameter, 80A Durometer	1 Each	1
2572T63	Ultra-Machinable 360 Brass Rod with Certification, 1-1/2" Diameter, 6 Feet Long	2 Each	2
xpected to s	hip		
8547K893	Tube Made From PTFE, 1" OD X 1/2" ID	60 Feet	12 May 31-Jun

MATERIAL RECEIPT INSPECTION FORM

MATERIAL CERT REC'D:QUANTITY RECEIVED:QUANTITY INSPECTED:	Y-	es						
QUANTITY REJECTED:	_	18	/		THICK	NESS ORDER NESS RECEIV SIZE ORDER SIZE RECEIV	/ED: / C	200
DESCRIPTION	(Ch	CR eck				COMMENT	'S	
SURFACE DAMAGE	Υ	N						
CORRECT FINISH	M	A						
CORROSION	Y	(N)						
CORRECT GRAIN DIRECTION	CYZ	N	0					
CORRECT MATERIAL PER M-DRAWING	(1)	N	POVIT	F850	47K	45		
CORRECT THICKNESS	(Y)	N						
PHOTO REQUIRED	Y	(1)	1	4	-11			
CORRECT REF # TO LINK CERT	()	N	OH	0399	84			
CORRECT MATERIAL IDENTFICATION		N	,		- 1			
CORRECT M# ON THE MATERIAL	(Y)	N						
DOES THIS MATERIAL REQUIRE	V	R						_
ENGINEERING SIGN OFF	Y		<u> </u>					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	A						
CUT SAMPLE PIECE	E OF		TERIAL A				SS CHECK.	
			HRC	HRI		DUR A	DUR D	WEBSTER
TYPE OF MATERIAL		\vdash	11110	111/1	-	301171	501.5	
SIZE OF TEST SAMPLE								
HARDNESS / DUROMETER READII	NG							

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS INSPECTED BY: 11	SIGNED OFF BY:
DATE: 9-89MAY 3 1 2019	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Teflon® PTFE

For comparative information about plastics, see page 3692.

Tubes Made from Teflon® PTFE



- · Color: White
- · Temperature Range -350" to 500" F
- · Tensile Strength 4,500 psi (Poor)
- · Impact Strength, 2 00 ft.-lbs./in. (Good)
- · For Use Outdoors: Yes
- Specifications Met, ASTM D1710, Made of FDA Listed Material, UL 94V0

Protect wires, cords, and anything that can fit inside these tubes from solvents. They're also used to fabricate paris that slide and roll, such as bearings and gears. These tubes are made from virgin Teflon® PTFE, which surpasses most plastics when it comes to chemical resistance and performance in extreme temperatures. It is also an excellent electrical insulator. OD is oversized and ID is undersized for finishing to the sizes listed.

	Tolerance		Wall		
OD	Rating	ID	Thick.	Lengths, ft.	Per Ft.
1/4"	Oversized	1/16°	3/32"	1, 2, 3, 4, 5, 6	8547K22 \$4.76
1/4"	Oversized	7/6"	1/16"	1, 2, 3, 4, 5, 6	8547K23 3.26
5:16"	Oversized	3/16"	1/16"	1, 2, 3, 4, 5, 6	8547K24 4.47
3/8"	Oversized	17411	1/16"	1. 2, 3, 4, 5, 6	8547K11 4.89
7/16"	Oversized	5/16"	1/16"	1, 2, 3, 4, 5, 6	8547K25 6.68
1/2"	Oversized	1741	1/8"	1, 2, 3, 4, 5, 6	8547K31 8 66
172"	Oversized	5/16"	J/3"."	1, 2, 3, 4, 5, 6	8547K62 7.89
1/2"	Oversized	3/8"	1/16"	1, 2, 3, 4, 5, 6	8547K12 6 90
\$1711811	Oversized	7/16"	1/16"	1, 2, 3, 4, 5, 6	3547K27 7.36
5.6"	Oversized	1/4"	3/16"	1, 2, 3, 4, 5, 6	8547K32 14.62
5/8"	Oversized	346"	149"	1, 2, 3, 4, 5, 6	8547K26 12.00
578"	Oversized	1/2"	1/16"	1, 2, 3, 4, 5, 6	8547K61 7.60
3/4"	Oversized	1441	1,64**	1. 2, 3, 4, 5, 6	8547K42 24 19
3/4"	Oversized	3/8"	3/16"	1, 2, 3, 4, 5, 6	8547K63 19.15
3/4"	Oversized	172"	1/8"	1, 2, 3, 4, 5, 6	8547K13 14 49
3/4"	Oversized	5/6"	1/18"	1, 2, 3, 4, 5, 6	3547K28 8.86
200	Oversized	3/8"	1/4"	1, 2, 3, 4, 5, 6	8547K44 38 54
7/8"	Oversized	5/8"	178"	1, 2, 3, 4, 5, 6	8547K14 17.41
10	Oversized	1/2"	1/4"	1, 2, 3, 4, 5, 6	8547K45 34 25
1"	Oversized	5/8"	3/16	1, 2, 3, 4, 5, 6	8547K46 30.67
1"	Oversized	3/4"	1/8"	1, 2, 3, 4, 5, 6	8547K15 20.15
9 "	Oversized	7/8"	1/16"	1, 2, 3, 4, 5, 6	8547K29 13.82
1 1/4"	Oversized	2:18"	3/16"	1, 2, 3, 4, 5, 6	8547K16 32.13
1 451"	Oversized	1"	1/8"	1, 2, 3, 4, 5, 6	8547K47 25 63
1 3/8"	Oversized	776"	124°	1 2, 3, 4, 5, 6	3547K39 41.30
1 3/6"	Oversized	1"	3/16"	1, 2, 3, 4, 5, 6	8547K17 34.67
9 1/2"	Oversized	4"	174"	1, 2, 3, 4, 5, 6	8547K35 45.95
1 1/2"	Oversized	1 1/4"	1/8"	1, 2, 3, 4, 5, 6	8547K18 26.57
1 3/4"	Oversized	1 3/8"	3/16"	1, 22 3, 4, 5, 6	8547K19 43.25
1.344"	Oversized	1 1/2"	178"	1, 2, 3, 4, 5, 6	3547K38 31.02
1 2:8"	Oversized	1 1/2"	3/16"	1, 2, 3, 4, 5, 6	8547K36 46 27
2"	Oversized	1 1/2"	154"	1 2, 3, 4, 5, 6	3547F.21 59.58
2"	Oversized	1 3/4"	1/8"	1, 2, 3, 4, 5, 6	8547K41 35 87
2 1/4"	Oversized	1 1/2"	9/8"	1, 2, 3, 4, 5, 6	9547K33 96.83
2 1:2"	Oversized	2"	1/4"	1, 2, 3, 4, 5, 6	8547K37 78 10
3"	Oversized	2"	1/2"	1, 2, 3, 4, 5, 6	8547K34 148 71

				3" L	.g.	6" L	.g.	12"	Lg.
OD	Tolerance Rating	O	Wall Thick		Each		Each		Each
3 1/2"	Oversized	3"	1/4"	8556K12	\$59.35	8553K15	\$98.75	3556K18	\$165.40
4"	Oversized	2"	11 1	8555K14	96.60	8556K17	168.62	8556K19	314 37
4"	Oversized	2 1/2"	374"	8556K11	81.91	8556K41	144.90	8556K71	255.42
4"	Oversized	3"	7/2"	8556K16	62.91	8556K46	108.20	8556K76	196.73
4"	Oversized	3 1/2"	1100	8556K22	66.19	8556K24	105.68	8556K25	177 49
4 172	Oversized	4"	134"	8556K26	70.70	8556K28	118.20	8556K29	195.30
5"	Oversized	2 1/2"	1 1/4"	8555K13	139 33	3556K43	254.23	8556K73	475 10
5"	Oversized	410	135	8556K27	75.61	8555K57	136 37	8556K87	244.05
6"	Oversized	3"	1 1/2"	8556K21	189 69	8556K51	353.66	8555K81	642 05
8"	Oversized	4"	1"	9556K23	148.62	8556K53	271 18	8556K83	498.60
6"	Oversized	5"	1/2"	8555K33	92 41	8556163	160.40	8556K93	288.17
7"	Oversized	3"	2"	8556K36	271.18	8555K66	506.77	8556k96	936.76
7 10	Oversized	5"	7"	8556K37	174.98	8556K67	325.40	8556K97	579.62
7"	Oversized	5 172"	3/4"	8556K38	142 06	8656K68	258.77	8555K98	467 44



Rods Made from Teflon® PTFE



- · Color, White
- · Temperature Range -350 to 500 F
- · Tensile Strength: 4,500 psi (Poor)
- Impact Strength 2.00 ft -lbs./in (Good)
 For Use Outdoors' Yes
- · Specifications Met 3-A Certified, ASTM D1710, Made of FDA Listed Material, UI

Fabricate parts that slide and roll, such as bearings, gears, and rollers Teflon® PTFE, which surpasses most plastics when it comes to chemic extreme temperatures, it resists most solvents and is an excellent electrical

Dia.	Dia. Tolerance	Lengths, ft.	Per Ft
1/6"	0" to +0.002"	1, 2, 3, 4, 5, 6	8546 31.2
3/16"	0" to +0.005"	1, 2, 3, 4, 5, 6	3546KCV 1.6
374"	0" to +0.005"	1, 2, 3, 4, 5, 6	8546KH 2 2
5/16"	0" to +0.005"	1. 2. 3. 4. 5. 6	354510 3.6
3/6"	0" to +0.005"	1, 2 3, 4, 5, 6	8540KIC 5 1
7/16"	0" to +0 005"	1. 2, 3 4, 5, 6	8546h-2 5.6°
1/2"	0" to +0.005"	1, 2, 3, 4, 5, 6	8546K+3 7.3
9/16"	0" to +0 005"	1, 2, 3, 4, 5, 6	5546FA3 9 01
5/8"	G" to +0.005"	1, 2, 3, 4, 5, 6	8545k 1.1 10.9t
11/16"	0" to +0.005"	1, 2, 3, 4, 5, 6	8546K44 12 9t
3/4"	0" to +0.005"	1, 2 3, 4, 5, 6	3545K15 15 45
13/16"	0" to +0.005"	1, 2 3, 4, 5, 6	8540,740, 18 1-
7/8"	0" to +0 005"	1, 2, 3, 4, 5, 6	8545k25 21.11
15/16"	0" to +0.005"	1, 2 3, 4, 5, 6	8540(41) 24.0:
4"	0" to +0 005"	1. 2. 3. 4. 5. 6	\$5467 27.1
1 1/8"	0" to +0.005"	1, 2, 3, 4, 5, 5	8546K1 34.7
1 1/4"	0" to +0 005"	1, 2, 3, 4, 5, 6	8546K17 40.8:
1 3/8"	0" to +0.083"	1, 2, 3, 4, 5, 6	8546K17 46.0
1 1/2"	0" to +0 090"	1, 2, 3, 4, 5, 6	8546K U 53.1-
1 5/8"	0" to +0 098"	1, 2, 3, 4, 5, 6	3545h2h 64.3°
1 3/4"	0" to +0.105"	1, 2 3, 4 5, 6	8546KC9 77.81
1.7/8"	0" to +0 113"	1. 2, 3 4, 5, 6	8546H- 35 8
2"	0" to +0.120"	1, 2 3, 4 5, 6	8549K19 98.70
2 1/4"	0" to +0 135"	1, 2, 3, 4, 5, 6	8546K47 115 I
2 1/2"	0" to +0.150"	1, 2, 3, 4, 5, 6	8546KC1 159.34
2 3:4"	0" to +0.165"	1, 2, 3, 4, 5, 6	8546K48 176.76
3"	0" to +0 180"	1, 2, 3, 4, 5, 6	3546H22 221.7.
3 1/4"	0" to +0.195"	1, 2 3 4 5 6	8540K49 246.8
3 1/2"	0" to +0 210"	1 2 3 4 5 6	8546+23 286.11
4"	0" to +0.240"	1, 2 3, 4 5, 0	8546K14 356.84
4 1/2"	0" to +0 270"	1. 2, 3	85461 51 405.41
5"	0" 10 +0.300"	1, 2 3	85489034 497.7
6"	0" to ±0.360"	1, 2, 3	8546/= 572.9

		1" (.g.	3" ₺	.g.	611	Lg.
Dia.	Dia. Tolerance		Each		Each		
2"	0" to ±0.120"	1395T11	\$12,40	1396T21	\$31.88	1396131	S
3"	0" to +0 180"	T396T12	28.05	1396T22	72.15	1390 730	1
4"	0" to +0.240"	1396T15	49.84	1396T23	128.16	1396173	2
5"	0" to +0 300"	1396T14	68.68	1398T24	180 29	1896 134	2
6"	0" to +0.360"	1396T15	96.14	1396T25	252.36	1390T35	4
8"	0" to +0.157"	1396T16	190.94	1395T26	627.39	1396T36	1.0

Hexagonal Bars Made from Teflon® PTFE



- · Color White
- · Temperature Range -350 to 500 F
- · Tensile Strength. 4,500 psi (Poor)
- · Impact Strength: 2 00 ft.-lbs fin. (Good)
- · For Use Outdoors Yes
- Specifications Met. ASTM 4894, ASTM D1710, Made of FDA Listed Material, UL 94V0

Use these hexagon bars to fabricate parts that slide. They're made from vir most plastics when it comes to chemical resistance and performance in exsolvents and is an excellent electrical insulator.

Wd.	Wd. Tolerance	Lengths, ft.	Per Ft.
156"	0" to ±0.01"	1 2 3 4 5 B 8544K11	\$8.88
3/8"	0" to +0.01"	1, 2, 3, 4, 5, 6 8544K13	16 55